

Application No. 09/995,655

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) In a development system including a developer transport adapted for depositing developer material on an imaging surface having an electrostatic latent image thereon, comprising:

a housing defining a chamber storing a supply of developer material comprising carrier and toner;

a donor member, mounted partially in said chamber and spaced from the imaging surface, for transporting developer on an outer surface thereof to a region opposed from the imaging surface, said donor member having a magnetic assembly having a plurality of poles, a sleeve, enclosing said magnetic assembly, rotating about said magnetic assembly;

a plurality of trim bars positioned about a donor roll at a plurality of predefined positions and spacing around said donor roll, each of said plurality of trim bars including a vibrating member for disrupting a developer bed and reducing developer bed height of said developer material on said donor member to a predefined developer bed height within a development nip.

2. (Original) The development system of claim 1, wherein said carrier comprises soft carrier material.

3. (Original) The development system of claim 1, wherein said magnetic assembly has a pole spacing between 1 mm to 1cm.

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4. (Original) The development system of **claim 3**, wherein said sleeve has a thickness between 100 to 350 microns.

5. (Previously presented) The development system of **claim 1**, wherein each of said plurality of trim bars comprised of a shaped metal blade fastened to the wall of the development housing.

6. (Previously presented) The development system of **claim 1**, wherein said predefine developer bed height is between five and twenty carrier of the carrier diameters, with a preferred value being at ten carrier bead diameters.

7. (Original) The development system of **claim 1**, wherein said donor member is rotated between 200 to 4000 rpm.

8. (Original) The development system of **claim 1**, further comprising means for applying an oscillating electric field between said donor member and imaging surface.

9. (Cancelled)

10. (Original) The development system of **claim 1**, wherein said vibrating member vibrates between 1 and 100 KHz.

11. (Previously presented) The development system of **claim 1**, wherein said vibrating member comprises a piezoelectric element.

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12. (Currently amended) In a development system including a developer transport adapted for depositing developer material on an imaging surface having an electrostatic latent image thereon, comprising:

a housing defining a chamber storing a supply of developer material comprising carrier and toner;

a donor member, mounted partially in said chamber and spaced from the imaging surface, for transporting developer on an outer surface thereof to a region opposed from the imaging surface, said donor member having a magnetic assembly having a plurality of poles, a sleeve, enclosing said magnetic assembly, rotating about said magnetic assembly; and

a plurality trim bar positioned about a donor roll at ~~a~~ a plurality of predefined positions and spacing around said donor roll, a trim bar including a piezoelectric element for vibrating and disrupting a developer bed thereby reducing developer bed height of said developer material on said donor member to a predefined developer bed height within a development nip.